



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Lee, et al.

Serial No.: 10/687,164

Filed: October 16, 2003

Title: AMIDES THAT INHIBIT  
VANILLOID RECEPTOR SUBTYPE 1  
(VR1) RECEPTOR

Case No.: 7031US01

Group Art No.: 1614

Examiner: (not yet assigned)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450 on:

Date of Deposit: February 9, 2004

Tanya Parent 2/9/04  
Tanya Parent Date

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed, to the knowledge of the undersigned, before the mailing date of a first Office Action on the merits. Applicants respectfully petition and request that the Examiner consider the listed documents and evidence such consideration by making appropriate notations on the attached form. Copies of the listed documents are attached.

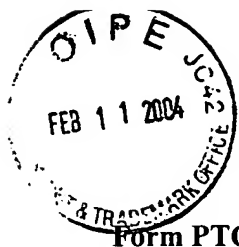
Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

The Commissioner is authorized to charge our Deposit Account any additional fees (or credit any over payments) that may be required under 37 C.F.R. §§ 1.16 and 1.17 in association with this communication for which full payment has not been tendered.

Respectfully submitted,  
Lee, et al.

ABBOTT LABORATORIES  
Customer Number 23492  
Telephone: (847) 935-7956  
Facsimile: (847) 938-2623

Johanna M. Corbin  
Johanna M. Corbin  
Registration No. 51,582  
Attorney for Applicants



DATE: February 9, 2004 SHEET 1\_ of 1\_

## Form PTO - 1449 (Modified)

<b>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)  (37 CFR 1.98 (b))	<b>ATTY. DOCKET NO.</b> 7031US01	<b>SERIAL NO.</b> 10/687,164
	<b>APPLICANT(S)</b> Lee, et al.	
	<b>FILING DATE</b> October 16, 2003	<b>GROUP</b> Not yet assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	INVENTOR	CLASS	SUB CLASS	FILING DATE

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

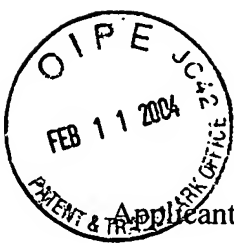
	DOCUMENT NUMBER	PUBLIC-ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS- LATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

X	C1	Abromovitch et al., "Arylpyridines, Part I. Orientation in the reaction of phenyllithium with some 3-substituted pyridines," Can. J. Chem. 38:761-771 (1960)
+	C2	Caterina et al., "Impaired nociception and pain sensation in mice lacking the capsaicin receptor," Science 288:306-313 (2000)
p	C3	Caterina et al., "The capsaicin receptor: a heat-activated ion channel in the pain pathway," Nature 289:816-824 (1997)
X	C4	Caterina et al., "The vanilloid receptor: a molecular gateway to the pain pathway," Annu. Rev. Neurosci. 24:487-517 (2001)
+	C5	Collier et al., "The abdominal constriction response and its suppression by analgesic drugs in the mouse," Br. J. Pharmac. Chemother. 32:295-310 (1968)
e	C6	Davis et al., "Vanilloid receptor-1 is essential for inflammatory thermal hyperalgesia," Nature 405:183-187 (2000)
t	C7	Fowler, "Intravesical treatment of overactive bladder," Urology 55(Supp. 5A):60-64 (2000)
f	C8	Hayes et al., "Cloning and functional expression of a human orthologue of rat vanilloid receptor-1," Pain 88:205-215 (2000)
p	C9	Jones, "The synthesis of some amines and amino acids containing the pyrazole nucleus," J. Am. Chem. Soc. 71:3994-4000 (1949)
R	C10	Loew, Chem. Ber. 23:1452 (1890)
- p	C11	Nolano et al., "Topical capsaicin in humans: parallel loss of epidermal nerve fibers and pain sensation," Pain 81:135-145 (1999)

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
<b>EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</b>	

(Form PTO 1449)



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Lee, et al.

Serial No.: 10/687,164

Filed: October 16, 2003

Title: AMIDES THAT INHIBIT  
VANILLOID RECEPTOR SUBTYPE 1  
(VR1) RECEPTOR

Case No.: 7031US01

Group Art No.: 1614

Examiner: (not yet assigned)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450 on:

Date of Deposit: February 9, 2004

Tanya Parent 2/9/04  
Tanya Parent Date

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL LETTER**

Dear Sir:

Enclosed herewith for the patent application identified above entitled AMIDES THAT INHIBIT VANILLOID RECEPTOR SUBTYPE 1 (VR1) RECEPTOR are the following:

1. Information Disclosure Statement;
2. Form PTO 1449, in duplicate;
3. References as cited on PTO 1449 (11 references); and
4. Return Receipt Postcard.

The Commissioner is hereby authorized to charge any additional Filing Fees required under 37 CFR §1.16, as well as any patent application processing fees under 37 CFR §1.17 associated with this communication for which full payment had not been tendered, to Deposit Account No. 01-0025.

Respectfully submitted,  
Lee, et al.

ABBOTT LABORATORIES  
Customer Number 23492  
Telephone: (847) 935-7956  
Facsimile: (847) 938-2623

JMCL  
Johanna M. Corbin  
Registration No. 51,582  
Attorney for Applicants